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Fifty-fifth Report of the Faculty Senate Curricular Affairs Committee

University of Rhode Island Faculty Senate

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Senate Bill

No. 253

Fifty-fifth Report of the Faculty Senate
Curricular Affairs Committee

69-5-29 Senate

69-6-12 Pres.

UNIVERSITY OF RHODE ISLAND
KINGSTON, RHODE ISLAND

May 19, 1969

Faculty Senate Curricular Affairs Committee Fifty-fifth Report (Full).

At its meeting on May 8, 1969, the Faculty Senate Curricular Affairs Committee considered the following matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

I. Matters of Information (for further details consult the chairman of the Department concerned).

A. College of Agriculture

1. Delete: Agric. 1 History of Agriculture, 0 credits
2. All curriculums: minor changes involving sequence in which courses are taken to accommodate previously approved changes in course credits, prerequisites, and/or semester offered (A.S. 1, Hort. 4, Acct. 1, ROTC).
3. Department of Animal Science
 - a. A.S. 1. Change semester offered to I (only).
4. Department of Horticulture
 - a. Hort. 4. Change semester offered to II (only).

B. College of Arts and Sciences

1. Department of Bacteriology
 - a. Bact. 241. Change prerequisites only to read: Prerequisites: Bact. 1, 2 semesters organic chemistry, and 1 semester bio-chemistry.
2. Department of Education
 - a. Change descriptions of 205, 241, 325, and 376 to read:
 - 1) 205 Principles and Practices of Leadership Development for Youth and Community Programs Semesters I or II, 3 cre. Leadership concepts and implications, methods and techniques for increasing the effectiveness of educational programs, philosophy and interrelationships of vocational-technical and general education with extension education and other community educational agencies. (Lec. 3). Pre-requisite: Permission of the instructor. SHONTZ
 - 2) 241 Reading in Secondary School Content Semester II, Subjects 3 credits
Designed especially to help Junior and Senior high school teachers to cope with the problems of the teaching of reading in their subject area. (Lec. 3). Prerequisite: Educ. 30 or permission of Department. ANGELO

- 3) 325 Beginning Reading Programs Semesters I & II, 3 cre.
An analysis of various approaches to reading instruction (other than the basal method) including phonetic, linguistic, language arts, programmed, and other experimental systems. Currently available materials will be analyzed and classified. (Lec. 3). Prerequisite: Educ. 224.
AUKERMAN
- 4) 376 Seminar in Leadership Development Semester II, 3 cre.
Students will participate in a non-structured group to observe the emergence of leadership and the effects of individual behavior on self and others. (Lec. 3). Pre-requisite: Educ. 267 or permission of instructor. BROMLEY

3. Department of English

a. Change descriptions of English 174 and 183 to read:

- 1) 174 American Romanticism. Semester II, 3 credits
Major American Transcendentalists and Poe, Hawthorne, and Melville. (Lec. 3) Prerequisite: Permission of Department. SIMMONS and ROBINSON.
- 2) 183 The Seventeenth Century, 1603-1660 Semester I, 3 cre.
Poetical and prose works of Bacon, Jonson, Donne, Milton, and others. (Lec. 3) SORLIEN

4. Department of Music

a. Change description of Music 21, 22 to read:

- 1) Music 21, 22 History of Music Semesters I & II, 3 cre.
Music 21: Development of music primarily in Western culture from Ancient times through the Middle Ages, Renaissance and the Baroque periods. Prerequisite: Music 1 or equivalent. Music 22: Continuation of Music 21 to include the Rococo, Classical, Romantic and Modern eras. Prerequisite: Music 1 or equivalent. (Lec. 3). GIBBS

b. Change numbers only of 119 and 120 to 139 and 140, respectively.

5. Department of Zoology.

a. Change the description of the Zoology major (Biology, Catalog p 41, right column, last paragraph) to read: Zoology 13, 16, 54, 162, 195, 196, one physiology course and Genetics 152 are required of all majors in Zoology.

b. Change descriptions of Zoology 42, 166 and 342 to read:

- 1) Zoology 42 Introduction to Human Physiology Semester II
3 credits
General elementary study. Mechanisms of physiological processes are illustrated by experiments on vertebrate animals. (Lec. 2, Lab. 3) Intended for students in Physical Education, Dental Hygiene, Nursing, Home Economics, and Medical Technology. Prerequisite: Zool. 1, 21, or Biol. 2. STAFF

- 2) Zoology 166 Vertebrate Biology Semester II, 3 credits
Life histories, adaptations, ecology, classification and distribution of vertebrate animals. Laboratory and extensive field work on local vertebrates. (Lec. 2, Lab. 3)
Prerequisite: Zoology 16 or equivalent. STAFF
- 3) Zoology 342 (Change expansion of numbers and breadth of coverage) to
Zoology 340-345 (342) Seminar in Physiology Semesters I & II
1-3 crs. each
Reports and discussions on topics of current research in physiology. Subject matter adapted to meet interests of staff and students. (Lec. 1-3) Prerequisite: Zool. 45
STAFF

Comment: Zoology majors will take the proposed Zoology 45 because Zoology 42 has been considered as a "pre-professional" kind of course. The new description for Zoology 166 more adequately describes the organisms studied. Zoology 340-345 is a redefinition of the seminar to allow for greater flexibility in the material covered.

C. College of Business Administration.

1. Department of Marketing Management

- a. 36 Change semester offered to II (only).
- b. 175 Change prerequisites to read: Mkt. Mgt. 35, 62 or graduate standing or permission of instructor.
- c. 300; 351; 391, 392. Change prerequisites to read: MBA students only
- d. 356 Change description to read: 356 International Marketing Management Semester I and II, 3 credits
Marketing policy-making for the multinational firm; organizing for international marketing: its opportunities, pricing, channels, promotion, research. (Lec. 3). MBA students only.
STAFF

D. College of Home Economics

1. Department of Food and Nutritional Science.

- a. 31 Advanced Food Study. Change prerequisites to read: F&NS 1 and general chemistry. STAFF
- b. 141 Advanced Nutrition. Change prerequisites to read: F&NS7, biochemistry, or permission of Department.
- c. 144 Diet Therapy. Change prerequisites to read: F&NS 141 or permission of Department.
- d. 145 Readings in Nutrition. Change year offered by deleting "In alternate years, next offered 1968-69."

- e. 204. Change title and description to read: 204 Food Science and Nutrition Seminar Semester II, ~~32~~ credits
Studies and discussions of recent research. Presentation of papers on selected topics from basic and applied food science and nutrition. (Lec. ~~32~~). STAFF

E. College of Pharmacy.

1. Department of Pharmaceutical Chemistry

- a. 101. Change prerequisite from Chem. 12 to Chem. 22
- b. 133. Change prerequisite from Pharm. Chem. 48, to Pharm. Chem. 39.
- c. 341. Change prerequisite by replacing Chem. 181 with Biochem. 181.

II. Matters Requiring Confirmation by the Faculty Senate (approval recommended)

A. College of Agriculture

1. Department of Animal Science (joint requests with Department of Botany).

- a. Change number, title, semester offered, description, and prerequisite of Genetics 1 and Botany 52 to read:

Genetics 152 (Animal Science 152 and Botany 152)

General Genetics

Semester I and II, 3 credits

General course dealing with the fundamental concepts of inheritance and variation in plants, animals, bacteria, and viruses. (Lec. 3) Prerequisite: Botany 1 or Biology 1 or 2 or Zoology 1. SMITH (Sem. I, An. Sci.); MOTTINGER (Sem. II, Bot.) (Grad. #58).

- b. Add (new).

- 1) Genetics 154 (An. Sci. 154 and Bot. 154) Semesters I & II
Genetics Laboratory 2 credits
Basic principles of heredity demonstrated with various organisms ranging from viruses and bacteria to higher plants and animals (Lab. 4) Prerequisite: Genetics 152 and permission of instructor. May be taken concurrently with Gen. 152. SMITH (I An. Sci.); MOTTINGER (II Bot.) (Grad. #56).

- c. Delete, contingent upon approval of a and b, Genetics 1, Botany 52, and Botany 54.

B. College of Arts and Sciences

1. Department of Botany

- a. Change numbers of Botany 52 and 54 (see above.)

b. Add (new)

- 1) 224 Methods in Plant Ecology Semester II, 3 credits
A course covering the methods used in the analysis of vegetative and micro environments. Emphasis is on quantitative techniques in vegetation analysis, soil analysis and microclimate, and techniques in physiological ecology. (Lec. 2, Lab. 2). Prerequisites: Bot. 1 and Bot. 124 or equivalent. Statistics 1 and 2 desirable. Offered alternate years, next offered 1969-70. STAFF (Grad. #58).

2. Department of Chemistry.

a. Add (new)

- 1) 33,34 Physical Chemistry Semester I & II, 3 credits
See Chem. 31, 32 for description. Intended for chemistry major. (Lec. 3). Prerequisites: Chem. 2A or 12. BROWN
- 2) 35, 36 Physical Chemistry Laboratory Semesters I & II, 2 crs.
The physical chemical properties of gasses, liquids and solutions; electrochemical cells; phase diagrams of binary and ternary systems; and chemical kinetics are studies in the laboratory. Intended for chemistry majors. (Lab. 4) Prerequisites: Prerequisite or corequisite for Chem. 35 is Chem. 33 and for Chem. 36 is Chem. 34. KRAUS
- 3) 114 Instrumental Methods of Analysis Semester II
Laboratory 2 credits
The application of the methods of analysis covered in Chem. 112 to physical-chemical separations are studied in the laboratory. (Lab. 6) Prerequisite or corequisite: Chem. 112. ROSIE (Grad. #58).

Comment: In the past there have been two separate Chem. 31, 32 sequences, one for chemical engineers and one for chemists. The addition of the new numbers for the chemistry majors serves to reduce confusion. Engineers will continue to enroll in Chem. 31, 32. This will involve a minor catalog change in the description of Chem. 31, 32 deleting the portion which refers to chemistry majors. The addition of the independent labs in Chem. 35, 36 allows the labs to be upgraded without adding extra hours for the chemical engineers.

b. Change the number of credits in the following courses:

- 1) Change Chem. 1A and 2A from 4 credits to 5 credits, and add one hour of recitation to the catalog description.
- 2) Change Chem. 112 and 122 from 4 to 3 credits by deleting the laboratory from each (Grad. #58).

c. Delete: Chem. 15 Analytical Chemistry, contingent upon approval of b above.

d. Change the following requirements for the B.S. degree in Chemistry.

- 1) Remove Chem. 122, 133, and 135 as required courses. Instead, require that in the senior year, three of the following four courses be taken:
 - a) 104 Physical Methods in Inorganic Chemistry
 - b) 122 Organic Reactions
 - c) 133 Elementary Chemical Thermodynamics
 - d) 135 Advanced Physical Chemistry
- 2) Change the language requirements from the present German to state that a modern language must be completed at the intermediate level (students who wish certification by the American Chemical Society must select German or Russian).
- 3) Reduce the credits required for the B.S. degree for 137 to 132.

e. The sample program below reflects the above changes and should replace the one in the current catalog.

Freshman Year

First Semester		Second Semester	
Chem. 1-A General Chemistry	5	Chem. 2-A General Chemistry	5
Eng. 1 Composition	3	Eng. 2 Lit. & Comp.	3
Math. 41 Introd. Calculus	3	Math. 42 Interm. Calculus	3
Biol. 1 or Language*	3	Biol. 2 or Language*	3
Phys. Ed. 1M or 1W	1	Phys. Ed. 1M or 1W	1
	<u>15</u>		<u>15</u>

Sophomore Year

Chem. 21 Organic Chemistry	4	Chem. 22 Organic Chemistry	4
Math. 43 Calc. & Anal. Geom.	3	Math. 44 Diff. Eq.	3
Phys. 3 Elem. Physics	3	Phys. 4 Elem. Physics	3
Phys. 5 Phys. Lab.	1	Phys. 6 Physics Lab.	1
Core Elective	6	Core Elective	6
Phys. Ed. 3M or 3W	1	Phys. Ed. 4M or 4W	1
	<u>18</u>		<u>18</u>

Junior Year

Chem. 33 Phys. Chem.	3	Chem. 34 Phys. Chem.	3
Chem. 35 Phys. Chem. Lab.	2	Chem. 36 Phys. Chem. Lab.	2
Chem. 125 Qual. Org. Chem.	4	Chem. 112 Inst. Anal.	3
Hist. 3 West. Civ.	3	Chem. 114 Inst. Lab.	2
Phys. 61 Modern Physics	3	Hist. 4 West. Civ.	3
Core Elective	3	Core Elective	3
	<u>18</u>		<u>16</u>

Senior Year

Chem. 41 Lit. of Chem.	1	Chem. 62 Seminar	1
Chem. 102 Inorg. Chem.	3	Chem. Req.**	6-9
Chem. Req.**	3-0	Core Elective	6
Core Elective	6	Elective	<u>3-0</u>
Elective	3-6		16
	<u>16</u>		

*Students who desire certification by the American Chemical Society must select German or Russian.

**Students must take three of the following courses: Chem. 104, 122, 133 and 135.

3. Department of Education.

a. Delete (Grad. #58)

- 1) 265 The Core Curriculum
- 2) 305 Higher Education in America
- 3) 306 The Junior College

4. Department of Geography.

a. Add (new, temporary, for fall 1969 only)

- 1) Geography 145 Geography of the Caribbean Region I, 3
Geographic analysis of the West Indies and the Central and South American littorals of the Caribbean. After an introductory physical survey, the emphasis will be upon cultural, economic, and political geography, especially in recently independent territories. (Lec. 3) Prerequisite: Permission of Department. RAYMOND

5. Departments of Geography and Political Science

- a. Authorize a Graduate Certificate Program in North Atlantic *Regional* ~~(including Western Mediterranean)~~ Studies.
(as modified by the Graduate Council at its 58th meeting).

Comment: The Planning Committee on International Studies in conjunction with the Departments of Geography and Political Science have requested approval of a Graduate Certificate Program in North Atlantic Studies.

This program offers specialized training beyond the Master's level for students who wish to explore the area of North Atlantic Studies in greater depth. The certificate recognizing this achievement can only be obtained in conjunction with a Master's degree or after a Master's degree has been obtained. The certificate would require an additional 18 credits beyond the Master's level and would be initially earned only by students in the graduate programs in Geography and Political Science. Each student would be required to take two core

courses--Geography 245, Geography of the North Atlantic Basin, and a course of directed study or research in their own field (Geography 291, 292 or Political Science 256 now; other disciplines may join the program), plus 12 elective credits selected from the following 11 courses:

Geography 141	Geography of Europe
Geography 143	Geography of the United States and Canada
Geography 243	Geography of Megalopolis
Geography 271	Marine Geography
History 127	History of Europe since 1914
History 129	Diplomatic History of Europe since 1815
Political Science 101	European Comparative Government
Political Science 131	International Relations
Political Science 164	International Law
Political Science 232	Problems in International Relations
Political Science 313	Marine Science, Policy, and Public Law

Each student will thus be able to pursue a program tailored to his own area of specialization within the broad framework of North Atlantic Studies. Courses will not count toward both the Master's degree and the certificate program. No new courses are needed for the program to work, hence the staffing would appear to be no problem. Questions regarding specific details or historical background of this proposal might best be addressed to Dr. Aloys Michel, Extension 2596.

6. Department of History.

a. Add (new)

- 1) 391 Directed Study or Research Semester I and II, 3 credits
Directed readings, research, or study designed to meet the particular needs of individual or small groups of graduate students. STAFF (Grad. #58).
- 2) 147 The Colonial Experience Semester I, 3 credits
Historical analysis of colonialism and imperialism, the struggle for independence and the problems confronting newly independent states, with emphasis on the Third World. ROUGHTON (Grad. #58)

7. Department of Music

a. Revise catalog listing (p. 155) of Applied Music offerings as follows:

Instruction in voice and various instruments covering problems in tone production, techniques, interpretation, repertoire and public performance. Instruction consists of private lessons weekly for courses carrying credit. At least three hours' preparation is expected for each hour of credit. Lessons are limited by the instructional time available. A special fee is charged for private instruction. Class instruction is available without charge for preparatory courses which carry no credit.

Requirements for admission. Students who wish to enroll in courses in applied music for credit must give evidence through an audition of at least 2 years' study at intermediate or high school level and secure permission of the department.

Courses of instruction are offered in the following:

A Voice	G Violoncello	N Saxophone
B Piano	H Bass Viol	P Trumpet
C Organ	J Flute	Q French Horn
D Harpsichord	K Oboe	R Trombone
E Violin	L Clarinet	S Baritone Horn
F Viola	M Bassoon	T Tuba
		U Percussion

50 Preparatory

I and II, 0

Class or private instruction. Select appropriate letter and voice or instrument from the list above and add to course number, as Music 50E Violin. The course may be repeated for a second semester if the work of the first semester is satisfactory. (Lec. 1) STAFF.

51 to 54 Applied Music as Minor or Elective. I & II, 1 or 2 ea.

Private instruction, lower-level semesters. Select appropriate letter and voice or instrument from the list above and add to course number, as Music 51B Piano. Each course is a prerequisite to the next. Normally, one-credit courses are to be repeated for additional work before entering the next level (Lec. 1) STAFF.

61 to 64 Applied Music Major

I and II, 3 cr. each

Private instruction for applied music majors only, lower-level semesters. Select appropriate letter and voice or instrument from the list above and add to course number, as Music 61A Voice. Each course is a prerequisite to the next (Lec. 1) STAFF

151 to 154 Applied Music as Minor or Elective I & II, 1 or 2 ea.

Private instruction, upper-level semesters. Select appropriate letter and voice or instrument from the list above and add to course number as Music 151B Piano. Each course is a prerequisite to the next. Normally, one-credit courses are to be repeated for additional work before entering the next level (Lec. 1) STAFF

161 to 164 Applied Music Major

I and II, 4 each

Private instruction for applied music majors only, upper-level semesters. Select appropriate letter and voice or instrument and add to course number, as Music 161A Voice. Each course is a prerequisite to the next. (Lec. 1) STAFF.

ORGANIZATIONS AND ENSEMBLES

Performance of literature for large organizations and small ensembles. Small instrumental ensembles are restricted to one performer per part. Registration open to any qualified student upon consent of the instructor. Courses may be repeated each semester for additional required or elective credit.

- | | | |
|----|---|------------------|
| 91 | University Symphony Orchestra
(Lec. 3) WAITE | I and II, 1 each |
| 92 | University March Band
(Marching Band members also
register for P.Ed. 5 MM for
1 credit)
(Lec.3) BURNS | I, 1 |
| 93 | University Chorus
(Lec. 3) ABUSAMRA | I and II, 1 each |
| 94 | Symphonic Wind Ensemble
(Lec. 3) BURNS | II, 1 each |
| 95 | Concert Choir
(Lec. 3) ABUSAMRA | I and II, 1 each |
| 99 | Chamber Music Ensembles | I and II, 1 each |

Select appropriate letter and small ensemble from list below and add to course number, as Music 99B String Ensemble. Other ensemble combinations may be added. (Lec. 2) STAFF

- | | |
|---------------------|--------------------|
| A Keyboard Ensemble | D Brass Ensemble |
| B String Ensemble | F Stage Band |
| C Woodwind Ensemble | G Madrigal Singers |

8. Department of Psychology.

a. Add (new).

1) 1969 Summer Session only:

- a) Psychology 171 Being Black Term I, Summer Session
A subjective exploration on the state of being black. Black anger, hope, aspiration, creativity and "soul" will be looked at from the point of view of the black man in a white society. A classroom experiment in human transactions. Lecturer, person-to-person confrontation and readings in depth. (Lec. 3). Pre-requisite: Permission of the Department. Raphael (Grad. #59).

2) Psychology 304 Advanced General Psychology Semesters I or II
1-8 credits

A series of courses designed to provide incoming graduate students with an intensive preparation in the major areas of general psychology. During their first year, students will enroll in one credit in each area in which they have not had previous graduate training. (Lec. 1) Prerequisite: Permission of the Department. Students who have taken Psy. 305 may not take 304 a or b, and students who have taken Psy. 306 may not take 304 c or d. STAFF (Grad. #59)

- a. Psychophysiology
- b. Sensation and perception
- c. Learning
- d. Cognition
- e. Social behavior
- f. Development of behavior
- g. Personality
- h. Psychopathology

b. Delete (contingent upon approval of Psych. 304 above):

- 1) Psychology 305 Advanced General Psychology I (Sensation and Perception)
- 2) Psychology 306 Advanced General Psychology II (Learning and Cognition)
- 3) Psychology 307 Advanced General Psychology III (Social Behavior)
- 4) Psychology 308 Advanced General Psychology IV (Contemporary Personality Research)

(Grad. #59)

9. Department of Zoology

a. Add (new)

- 1) 45 Basic Animal Physiology Semester I, 3 credits
Fundamental physiological processes of animals with emphasis on homeostatic mechanisms. Nature of osmosis, membranes, water and electrolyte balance, irritability and the functioning of selected organ systems. (Lec. 2, Lab. 3). Prerequisite: Zool. 1 or Biol. 2. WOOD
- 2) 142 Mammalian Physiology Semester II, 3 credits
Intensive study of the physiological mechanisms that regulate the animal body and its organ systems. Emphasis on knowledge obtained from experimental mammalian and human physiology. Laboratory experiments on vertebrate animals. (Lec. 2, Lab. 3). Prerequisite: Zool. 45. HILL (Grad. #59).
- 3) 243 Biology of Reproduction in Animals Semester I, 3 credits
Aspects of reproduction in animals of different phyla. Hormonal interrelationships, environmental control and adaptive mechanisms. (Lec. 2, Lab. 3) Prerequisites: Zool. 45 and 145 and one other semester of physiology. CHIPMAN. In alternate years, next offered 1970-71. (Grad. #59).

- 4) 247 Comparative Physiology Semester I, 3 credits
Diverse adaptations by which animals of the different phyla meet the common problems of life processes. Emphasis on an evolutionary consideration of receptors, nervous systems, and effectors. Laboratory experiments on favorable invertebrate and lower vertebrate preparations. (Lec. 2, Lab. 3)
Prerequisite: Zool. 45. HILL In alternate years, next offered 1969-70. (Grad. #59).
- 5) 248 Neurophysiology Semester II, 4 credits
Fundamental processes occurring in the nervous systems of invertebrates and vertebrates. The structure and functions of nervous elements will be studied with emphasis on integration and coordination of motor mechanisms. (Lec. 3, Lab. 3). Prerequisites: Zool. 45, Math. 41 or equivalent and permission of the instructor. WOOD. In alternate years, next offered 1969-70. (Grad. #59).

Comment: These courses expand the departmental offerings so that a student can now take a Zoology major with primary emphasis in the field of physiology. Laboratory space and personnel are currently available for these courses.

b. Delete: 143, 144 Human Physiology (Grad. #59).

C. College of Engineering.

1. Department of Civil Engineering.

a. Add (new)

- 1) 172 Industrial Air Pollution I or II, 3 credits
Sources and characteristics of urban-industrial air pollution, allowable concentrations and control, stack sampling, chemical supplements in air pollution control, diffusion of pollutants, site selection and abatement programs. Air resources management programs. (Lec. 3). Prerequisite: Permission of department. STAFF (Grad. #58).
- 2) 173 Analysis of Air Pollutants I or II, 3 credits
Pollutants in the atmosphere. Methods of sampling and interpretation, and methods of analysis of pollutants in gases, vapors, mists, dusts and fumes. Laboratory includes methods of sampling and analysis of air pollutants. (Lec. 2, Lab. 3). Prerequisite: Chem. 10 or permission of department. STAFF (Grad. #58).

D. College of Home Economics

1. Education in Home Economics

- a. Add (new), for 1969-70 only (Grad. #59).

- 1) Ed. 261 Curriculum Development in Consumer and Homemaking Education Semester II
3 credits
The development of curriculum materials in Consumer and Homemaking Education based on an examination of the needs of students in communities in Rhode Island, with special emphasis on depressed areas. (Lec. 3). Prerequisite: permission of the department. MAY
(This course is part of a proposal submitted under Public Law 90-576, Section F "Consumer and Homemaking Education" to the State Department of Education.)
- 2) Ed. 362 The Organization and Teaching of Sem. I, Fall Sem.
Work-Oriented Courses in Home Economics 1969 only, 3 cr.
Supervised organization and implementation of work-oriented Home Economics cluster-type courses for students from a disadvantaged background. Special help in interaction techniques is provided by means of video-taping. (Lec. 2, Lab. 2). MacKENZIE
(This course is part of a proposal submitted under Public Law 90-576 Section B "State Vocational Education Programs.")

2. Revise Home Economics core requirements as follows (effective Sept., 1969).

Group II - Required of all students

CF 1, Personal and Family Living	3 crs.	
CF 5, Growth and Development of Children	3 crs.)
CF 6, Adolescent Growth and Development	3 crs.)
CF 21, Family and Community Health	3 crs.)
CF 123, Marriage and Family Relationships	3 crs.)
Choice of one		
F&NS 1, Nutrition and Food Preparation	3 crs.	
F&NS 7, General Nutrition	3 crs.	
HM 1, Management in Family Living	2 crs.	
HM 2, Family Economics	2 crs.)
HM 4, Family Housing	2 crs.)
HM 33, Home Furnishings	3 crs.)
Choice of one		
TC 3, Consumer Problems in Textiles and Clothing	3 crs.	
TC 5, Introductory Clothing	3 crs.)
TC 24, Clothing for the Family	3 crs.)
TC 38, Textile Crafts	3 crs.)
TC 143, Historic Costume	3 crs.)
Choice of one		

Reason: The faculty of the College of Home Economics feel that the changes being made in the Home Economics core will have a liberalizing effect and will enable students to select courses relevant to their own goals. Reduction of core requirements will allow students to elect courses which they feel have significance for their general education or professional preparation.

3. Department of Food and Nutritional Science

a. Add (new)

- 1) 37 Introductory Food Science Semester I, 3 credits
Survey of the basic principles of food science and technology. Technology of food products. Food utilization and the world food problem. (Lec. 3) CONSTANTINIDES

b. Change curriculum requirements (Catalog, p. 76).

1) Group III required courses:

- a) Delete: Chem. 23 Organic Chemistry, 3 cr.
Add: Chem. 24, Organic Chemistry, 4 cr.
- b) Delete: Food or Nutrition elective, 3 cr.
Add: F&NS37 Introductory Food Science, 3 cr.
- c) Delete the statement "Twenty-one credits must be selected from the following." and the entire list of courses which follows.

Add: Students planning to major in Food and Nutritional Science should contact the Department as soon as possible in order to plan a curriculum to meet individual professional needs. The requirement for a major in the Department must include a total of 29-35 credit hours in Food and Nutritional Science subject to approval of the Department

4. Department of Home Management

- a. Change credits only of HM 37 from 3 to 2 credits.

5. —Department of Textiles and Clothing.

- a. Change credits only of T.C. 161, 162 from 2-4 credits to 1-4 cr.

E. College of Pharmacy

1. Department of Pharmacy

- a. Change credits only of Pharm. 53, 54 from 3 credits each to 4 credits each.

2. Department of Pharmaceutical Chemistry

- a. Delete: 235 Separation and Purification Techniques.

F. Graduate Library School

1. Change credits and lecture hours only from 2 each to 3 each for LS 321, 323, 325, and 333 (Grad. #58).

G. Graduate Curriculum in Community Planning and Area Development

1. Course changes (Grad. #59).

- a. C.P. 111, change from 3 to 1 credit
change number from 110 to 111
- b. C.P. 303, 304, change from 10 to 8 credits each.
- c. C.P. 311, change from 6 to 4 credits
minor change in course description to read:

311 Studio A, Planning Analysis in the Comprehensive Planning Process, I. Semester I, 4 credits
Combination lecture and laboratory course focusing on the understanding of the physical environment. Application of analytical planning studies. Topics considered will be: the planning process, planning tools and techniques, and inventory procedures: population estimation and forecasting, economic analysis, topography, soils and climate, land use analysis, transportation analysis, operations and facilities in the public sector (i.e., government operations, public facility requirements., etc.). Methods of analysis will be applied in a laboratory problem involving a specified urban area. (Lec. 3, Lab. 3). DOWNE and FOSTER

- d. C.P. 312, change from 6 to 4 credits
minor change in course description to read:

312 Studio B, Planning Analysis in the comprehensive Planning Process, II Semester II, 4 credits
Combination lecture and laboratory course focusing on the community plan, community facilities, future land use plan, economic development plan and general plan implementation. The functional requirements of physical elements and their relationships in space will be considered. Actual design projects will be undertaken in the laboratory. (Lec. 3, Lab. 3) DOWNE and FOSTER

- e. 321, change description to read:

321, Studio C, Problems in Planning Use Requirements Sem. I
6 credits
Combination lecture and laboratory course focusing on understanding different kinds of activities in urban areas and their land use requirements. Lectures and discussion will include the following elements: industrial and commercial activities, housing requirements and neighborhood design, public facilities, utilities and site development. Special emphasis will be placed on physical design and the visual elements of urban design. Also considered will be graphics and visual communication. The laboratory will involve the planning for one or more of these elements in detail within the framework of a general land use plan. (Lec. 3, Lab. 6). HAMMERSCHLAG and THOMAS

- f. C.P. 322, change from 6 to 4 credits
minor change in course description to read:

322 Studio D, Problems in Planning Programming Semester II
4 credits

Combination lecture and laboratory course focusing on the development of a project plan and the various tools for effectuating planning proposals. Lecture and discussion will include considerations of the following: urban renewal, community action programs, capital budgeting, federal, state and local legal requirements and the preparation of an appropriate planning report. (Lec. 3, Lab. 3) HAMMERSCHLANG and THOMAS

- g. C.P. 331, change from 2 to 3 credits.

- h. C.P. 361, change number from 332 to 361.

2. Curriculum changes.

The faculty of the Graduate Curriculum in Community Planning and Area Development recommends that the requirements for the degree of Master of Community Planning be changed from the present 64 credits to 60 credits (Grad. #59).

The two-year program of 60 credits to be distributed as follows:

Seminar in Contemporary U.S. Environment	16 credits
Planning Application Studios and Theory Seminar	
Course	21 credits
Introduction, Law and Methodology	6 credits
Electives and Thesis	<u>17 credits</u>
total	60 credits

Semester I

C.P. 111 Introduction to Community Planning	1
C.P. 303 Seminar in Contemporary U.S. Environment	8
C.P. 311 Planning Analysis I	4
C.P. 341 Research Methodology	<u>2</u>
	15

Semester II

C.P. 304 Seminar in Contemporary U.S. Environment	8
C.P. 312 Planning Analysis II	4
Elective	<u>3</u>
	15

Summer Internship

Semester III

C.P. 321 Problems in Planning Use Requirements	6
C.P. 331 Planning Law Seminar	3
C.P. 361 Seminar in Planning Theory	3
Elective	<u>3</u>
	15

Semester IV

C.P. 322 Problems in Planning Programming	4
Thesis Research	6
Electives	<u>5</u>
	15